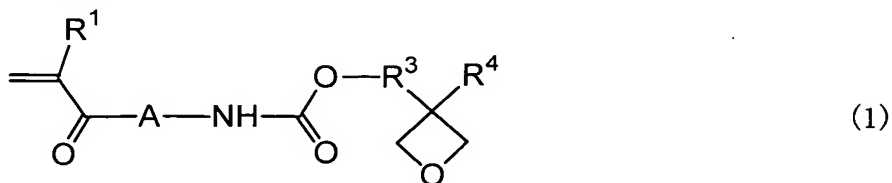


CLAIMS

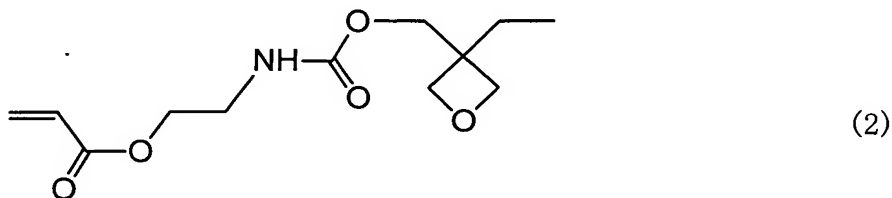
1. An oxetane compound containing a (meth)acryloyl group, which is represented by formula (1) below



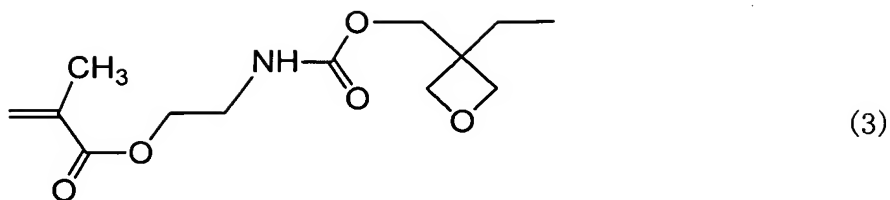
5 wherein R¹ represents a hydrogen atom or a methyl group, A represents -OR²- or a bond, R² represents a divalent hydrocarbon group which may contain an oxygen atom in the main chain, R³ represents a linear or branched alkylene group having 1 to 6 carbon atoms, and R⁴ represents a linear or branched alkyl group having 1 to 6 carbon atoms.

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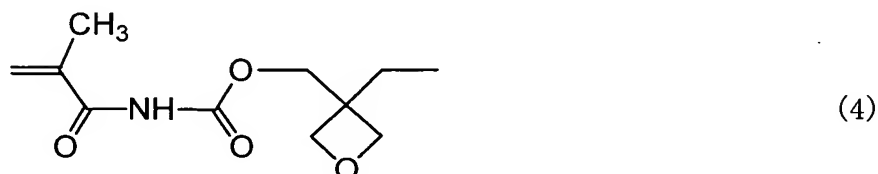
2. The oxetane compound containing a (meth)acryloyl group claimed in claim 1, which is a compound represented by formula (2) below.



15 3. The oxetane compound containing a (meth)acryloyl group as claimed in claim 1, which is a compound represented by formula (3) below.



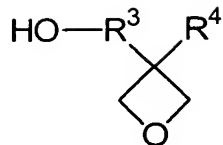
4. The oxetane compound containing a (meth)acryloyl group as claimed in claim 1, which is a compound represented by formula (4) below.



5. A production method of an oxetane compound containing a (meth)acryloyl group, wherein an isocyanate compound containing a (meth)acryloyl group represented by formula (5) below is reacted with an oxetane compound containing a hydroxyl group represented by formula (6) below



wherein R^1 represents a hydrogen atom or a methyl group, A represents $-OR^2-$ or a bond, and R^2 represents a divalent hydrocarbon group which may contain an oxygen atom in the main chain



(6)

wherein R³ represents a linear or branched alkylene group having 1 to 6 carbon atoms, and R⁴ represents a linear or branched alkyl group having 1 to 6 carbon atoms.

6. The production method of an oxetane compound containing a (meth)acryloyl group as claimed in claim 5, wherein a tertiary amine or a tin compound is used as catalyst.